

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently amended) A travel product reservation system ~~incorporating~~ comprising:

a central computer reservation system ~~(CRS) for processing~~ comprising a plurality of engines configured to process user requests received from at least one user station, the central computer reservation system further comprising

means for calculating selling price information relating to travel products[[,]] by accessing a fare database ~~(TDB)~~, said selling price information comprising a selling price amount determined in accordance with application of a fare class; [[and]]

means for returning selling price information relating to travel products; ~~the said reservation system being accessible from at least one user station, characterised in that it comprises:~~

a fare family database ~~(FFdB)~~ for the definition of a plurality of fare families each comprised of a plurality of fare classes, the fare family database containing determination rules for determining [[the]] an association [[with]] of a fare family for each travel with fare classes,

[[a]] wherein the means for calculating and the means for returning comprise a search apparatus to search ~~search engine~~ for travel solutions that include at least one travel segment and products that meet [[the]] input criteria of a user request and associated to search for a selling price prices, amount associated to each travel solution in application of its fare class, thereby forming travel products comprised of priced travel solutions, the search engine apparatus comprising:

means [[of]] for communication communicating with the fare family database ~~(FFdB)~~ for gaining

access to the determination rules ~~of determination~~,

means for applying the determination rules ~~of determination~~ to ~~to~~ ~~[[the]]~~ each travel products ~~found~~
product for determining ~~[[their]]~~ the fare family in accordance with its fare class,

means for sorting the travel products ~~found~~ into fare families, and

~~so that a reply is returned to the user station, to produce a display, containing data relating to the~~
~~travel products that meet the input criteria, sorting them into fare families~~

means for building a reply to the user request, said reply configured to produce a display of data
relating to those travel products that meet the input criteria, said data comprising, for each
displayed travel product, a selling price amount, where the displayed travel products are sorted
into fare families each comprised of a plurality of fare classes.

2. (Currently Amended) The system according to claim 1, ~~comprising~~ wherein the search
apparatus further comprises:

a travel product search engine,

a travel segment database comprising travel segment definitions,

a travel solution search engine ~~(MF)~~ communicating with ~~[[a]]~~ the travel segment database
~~(FDB)~~ for determining travel solutions that meet the input criteria,

means ~~[[of]]~~ for communication between the travel product search engine ~~(MR)~~ and ~~[[a]]~~ the
travel solution search engine ~~(MF)~~, said means for communication configured to transmit
requests from the travel product search engine ~~(MR)~~ and to return the travel solution data from
the travel solution search engine ~~(MF)~~,

a fare database comprising fare class definitions,

a fare fixing engine (~~MT~~) communicating with the fare database (~~TDB~~) for determining the selling ~~prices~~ price amount of the travel solutions, and

means [[of]] ~~for communication~~ communicating between the travel product search engine (~~MR~~) and the fare fixing engine (~~MT~~), configured for transmitting fare requests from the travel product search engine (~~MT~~) and returning, from the fare fixing engine, the selling price amount associated with each travel solution found to form the travel products.

3. (Currently Amended) The system according to claim 1, ~~characterised in that~~ wherein the fare family database includes commercial ~~fare family~~ classes of fare families, each commercial class combining a group of fare families and a predefined geographic market [[,]] for a predetermined number of travel dates.

4. (Currently Amended) The system according to claim 3, ~~characterised in that~~ wherein the fare families of each commercial ~~fare family~~ class comprises a hierarchical rank.

5. (Currently Amended) The system according to claim 1, ~~characterised in that it comprises~~ further comprising an interface device connected [[by]] between a communication network to the at least one user station ~~on the one hand~~ and [[to]] the central computer reservation system ~~on the other~~.

6. (Currently Amended) The system according to claim 5, ~~characterised in that~~ wherein the communication network is a large-scale network.

7. (Currently Amended) The system according to claim 6, ~~characterised in that~~ wherein the interface device [[is]] comprises a web server interacting with a navigation program residing in the at least one user station to provide a graphic user interface with the at least one user station.

8. (Currently Amended) A method of processing with a computer reservation system, that comprises a plurality of engines and databases, a user request from a user station, wherein information on selling prices relating to travel products is calculated, by accessing a fare database [(TDB)], and is returned to the user station, comprising the following operations:

creating a fare family database for the definition of a plurality of fare families each comprised of a plurality of fare classes, the fare family database of fare families (FFdB) is created containing determination rules for determining [[the]] an association [[with]] of at least one fare family for each travel fare class,

receiving from a user station a user request for information relating to travel products comprised of priced travel solutions for at least one travel date is received from a user station,

searching for the travel products solutions meeting the request input criteria of the user request and searching for a the associated selling prices price amount associated to each travel solution in application of its fare class, thereby forming travel products made of priced travel solutions are sought,

accessing the determination rules of determination contained in the fare family database (FFdB) are accessed,

applying the determination rules of determination are applied to the found travel products [[found]] to determine their fare family,

sorting the found travel products found are sorted by fare family, and

building a reply to the user request, said reply configured to produce a display of data relating to the travel products that meet the input criteria, said data comprising, for each displayed travel product, a selling price amount, the displayed travel products being sorted into fare families each comprised of a plurality of fare classes

~~a reply containing data relating to the products that meet the input criteria is returned to the user station, for display, by sorting them into fare families.~~

9. (Currently Amended) The method according to claim 8, wherein, ~~if the user request for information includes several dates, and further comprising the following actions are carried out:~~

~~identifying information relating to the a lowest selling price travel product that meets the input criteria and has the lowest selling price amount for each travel date is returned to the customer station, for display,~~

~~returning information relating to the lowest selling price travel products to the user station, for display,~~

~~in response to the user selecting one of the lowest selling price travel products displayed is selected when the user enters the user station, receiving a request for detailed information is addressed from the user station in connection with the selected lowest selling price travel product,~~

~~returning to the user station for display a reply containing information relating to the selected lowest selling price travel product and other travel products that meet the input criteria for the same date is returned to the user station, for display, by sorting them the lowest selling price travel product and the other travel products being sorted into fare families.~~

10. (Currently Amended) The method according to claim 8, ~~wherein,~~ further comprising displaying for each fare family[[,]] only a pre-established number of travel products that meet the input criteria is displayed, starting with the travel product having the lowest selling price amount.

11. (Currently Amended) The method according to claim 8, wherein the input criteria include ~~the~~ a journey origin (starting point), the , a journey destination and a non-zero number of departure

dates.

12. (Currently Amended) The method according to claim 8, ~~characterised in that further comprising creating in the fare family database (FFdB) a plurality of~~ commercial classes of fare families ~~are created in the fare family database, each commercial class~~ combining at least one group of fare families with a predetermined geographic market for a predetermined number of travel dates.

13. (Currently Amended) The method according to claim 12, ~~wherein further comprising selecting~~ at least one commercial class of fare families ~~is selected and processing the user's user request is only processed only~~ for the travel products included in the ~~at least one commercial fare family class of fare families or classes selected.~~

14. (Currently Amended) The method according to claim 13, ~~wherein further comprising making the selection of the at least one commercial fare family class or classes of fare families is made~~ via a user station input.

15. (Currently Amended) The method according to claim 13, ~~wherein further comprising making the selection of the at least one commercial fare family class or classes of fare families is made~~ by an administrator.

16. (Currently Amended) The method according to claim 12, ~~wherein further comprising:~~

~~assigning a hierarchical rank is assigned~~ to each fare family in the ~~fare family database (FFdB)~~ for each commercial ~~fare family~~ class ~~of fare families, and~~

~~displaying at the user station information is displayed~~ relating to the ~~travel~~ products that meet the input criteria in the order of their hierarchical rank.

17. (Currently Amended) The method according to claim 8, wherein the ~~determination~~ rules of

~~determining the association with a fare family include~~ comprise, for each fare family, a set of attributes that a fare class must have to be associated with the said fare family.

18. (Currently Amended) The method according to claim 8, ~~characterised in that further comprising accessing the data in the fare family database of fare families (FFdB) are accessed~~ in real time.

19. (Currently Amended) The method according to claim 8, ~~characterised in that~~ wherein the travel products are air flights that are included in a domestic or international market.

20. (New) The system of claim 1, where the travel products are air flights, and where the data comprises a flight number for each travel product, the display rendering simultaneously visible to the user the user travel products of a plurality of fare families.

21. (New) The method of claim 8, where the travel products are air flights, further comprising displaying simultaneously to the user travel products of a plurality of fare families and displaying a flight number associated with each travel product.